



**DECLARATION AND POWER OF  
ATTORNEY FOR PATENT  
APPLICATION  
(37 CFR 1.63)**

☐ Declaration  
Submitted  
with Initial  
Filing

OR

☒ Declaration  
Submitted after Initial  
Filing (surcharge  
(37 CFR 1.16(e))  
required)

Attorney Docket Number 4551P011

First Named Inventor Xinye Liu

**COMPLETE IF KNOWN**

Application Number 10/791,030

Filing Date March 1, 2004

Art Unit

Examiner Name

**As a below named inventor, I hereby declare that:**

My residence, mailing address, and citizenship are as stated below, next to my name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**Methods and Apparatus For Cycle Time Improvements For Atomic Layer Deposition**

*(Title of the Invention)*

the specification of which

☐ is attached hereto.

OR

☒ was filed on (if applicable):

or 03/01/2004 as United States Application Number 10/791,030  
as PCT International Application Number

and was amended on \_\_\_\_\_ (if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above.

I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application. I do not know and do not believe that the claimed invention was in public use or on sale in the United States of America more than one year prior to this application, nor do I know or believe that the invention has been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No

**Appointment of Practitioners:**

I hereby appoint the practitioners associated with Customer Number: **08791** as my respective patent attorneys and patent agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith.

If this patent application is assigned, then the undersigned hereby authorizes the patent attorneys and patent agents named herein to accept and follow instructions from the assignee(s) as to any action to be taken in the United States Patent and Trademark Office regarding this application without direct communication between the patent attorneys and patent agents and the undersigned. In the event of a change in the persons from whom instructions may be taken, at least one patent attorney or patent agent named herein will be so notified by the undersigned.

**Correspondence:**

Direct all correspondence to Customer Number **08791**,

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**NAME OF SOLE OR FIRST INVENTOR:** ☐ A petition has been filed for this undersigned inventor

Full Name: Xinye Liu  
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])  
 Inventor's Signature [Signature] Date 9/29/04  
 Residence SUNNYVALE, CA Citizenship P.R. CHINA  
(City, State, Country) (Country)  
 Mailing Address 745 SOUTH BERNARDO AVE. #8-13  
SUNNYVALE, CA 94087

NAME OF SECOND INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: Thomas E. Seidel  
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])  
Inventor's Signature Thomas E. Seidel Date Sept 8, 2004  
Residence Sunnyvale CA USA Citizenship USA  
(City, State, Country) (Country)  
Mailing Address 965 E. El Camino Real #933  
Sunnyvale CA 94087

NAME OF THIRD INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: Edward Lee  
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])  
Inventor's Signature Edward Lee Date 9/30/04  
Residence 10502 Rampart Ave Cupertino Citizenship USA  
(City, State, Country) (Country)  
Mailing Address

NAME OF FOURTH INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: Ken Doering  
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])  
Inventor's Signature Ken Doering Date 9/23/04  
Residence San Jose, CA, USA Citizenship USA  
(City, State, Country) (Country)  
Mailing Address 5939 Southridge Ct  
San Jose, CA 95138

NAME OF FIFTH INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: Sasangan Ramanathan  
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])  
Inventor's Signature Sasangan Ramanathan Date Sept 8, 2004  
Residence 105 ENCHANTED WAY, SAN RAMON, CA Citizenship INDIA  
(City, State, Country) 94583 (Country)  
Mailing Address 105 ENCHANTED WAY, SAN RAMON, CA 94583

## **ASSIGNMENT**

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned:

**Xinye Liu; Thomas E. Seidel; Edward Lee; Ken Doering; Sasangan Ramanathan**

hereby sell, assign, and transfer to:

**Genus, Inc.**

a Corporation of California, having a principal place of business at 1139 Karlstad Drive, Sunnyvale, California 94089 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the application for the United States patent filed on March 1, 2004, and assigned Application No. 10/791,030 and is entitled:

### **Methods and Apparatus For Cycle Time Improvements For Atomic Layer Deposition**

and in and to said application and all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said inventions and improvements; and in and to all rights of priority from the filing of said United States applications;

agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, power of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please Sign and Date Below:

9/29/04 Xinye Liu  
Date Name: **Xinye Liu**

Sept 8, 2004 Thomas E. Seidel  
Date Name: **Thomas E. Seidel**

9/30/04 Edward Lee  
Date Name: **Edward Lee**

9-23-04 Ken Doering  
Date Name: **Ken Doering**

Sep 8, 2004 Sasangan Ramanathan  
Date Name: **Sasangan Ramanathan**

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Date Name:

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Date Name:

Assignment Document Return Address:

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
12400 Wilshire Boulevard, 7th Floor  
Los Angeles, CA 90025  
Telephone: (408) 947-8200